

CHAPTER IX—GEOLOGY.

(i) **Geology.**

633. The estimated value of minerals produced in the State other than gold and silver but including chromite, corundum, kaolin, manganese, asbestos, mica, ochres, soaps tone, quartzite and ornamental stones was Rs. 32,23,147 (Rs. 11,92,600). The total amount of royalty payable for the year was Rs. 86,456 (Rs. 59,630). The total area covered by mining leases and prospecting licenses was 119,284 (52,434) acres. The increase in acreage was mainly due to the large number of applications received for prospecting licenses for manganese, etc. The number of mining leases, licenses and certificates for approval current during the year was 582(420).

634. The Geophysical surveys section of the department which had been functioning for nearly 12 years was finally merged with the geological survey of India and the services of the Geophysicist and Assistant Geophysicist were transferred.

Geo-physical
Survey.

635. The Bangarpet Taluk in the Kolar District, the Hosdurga Taluk in Chitaldrug District and Heggadadevanakote Taluk, in Mysore District were geologically surveyed.

Geological
Survey.

636. The following mineral deposits were discovered as a result of survey and prospecting :—

Andalusite.—near Sasalu, Doddballapur Taluk.

Beryl.—near Beligrama, Pandavapura Taluk.

Crystalline calcite.—near Kalhalli, Chitaldrug Taluk.

Chromite.—near Hedani, Chitaldrug District.

Corundum.—at a number of places in Pavagada Taluk, at Mutnur, Bangarpet Taluk, at Hindaghatta near Mayakonda.

Feldspar.—near Kudineerkatte, Holalkere Taluk.

Graphite clay.—near Valagamadi, Bangarpet Taluk.

Kaolin.—near Ramanhalli, Doddballapur Taluk.

Kyanite.—near Chavalamane, Thirthahalli Taluk and at Kudineerkatte, Holalkere Taluk.

GEOLOGY.

637. The total value of minerals produced in the State was:—

		Rs.
Metals	...	5,80,60,403
Non-Metals :		
(i) Industrial minerals	...	16,47,509
(ii) Building materials	...	7,28,000
Total	...	6,03,81,912

638. In the Bellara Gold Mines, the mining work was confined mainly to mining and milling of ore. There was a total stock of 5,538·75 tons of ore including 2,718·73 tons of ore at the commencement of the year. There was an opening stock of 105 tolas, 14 annas and 2 grains weight of sponge gold at the commencement of the year. A weight of 1,034 tolas, 11 annas and 1 grain of sponge gold was obtained during the year from 3,486·18 tons of ore treated in the mill bringing the total stock to 1,140 tolas, 9 annas and 3 grains. Of this, 1,105·15·2 tolas were issued for refining and sale leaving a weight of 34·10·1 tolas as closing stock at the end of the year. A weight of 820·5·2 tolas of fine gold was sold for Rs. 92,898.

639. The Bellara Gold Mining Advisory Committee meetings were held three times during the year. The Department participated in the Dasara Exhibition as usual.

640. The public interest in obtaining mineral concessions in the State was continuous throughout as there was good market for manganese and other minerals. The public evinced keen interest in applying for mineral concessions during the year. Altogether 736 applications were received as against 313 in the previous year.

Training

641. Eleven graduates in Geology and one student from Sri Jaya Chamarajendra Occupational Institute received training in 'Typographical Survey, Underground Survey and mining methods, including care and use of the explosives and blasting. Two candidates who received training were employed as Assistant Geologists in the Department.